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OM nucleic - protein search, using frame_Plus_P2P model

Run on: August 17, 2004, 15:13:02 ; Search time 0.001 Seconds
(without alignments)

409.920 Million cell updates/sec

Title: us-09-270-437d-5

Perfect score: 3110

Sequence: 1 aggaggactgccgacgccc.....atttcccttcaggttttaaaa 1708

Scoring table: BLOSUM62

Xgapext 10.0 , Xgapext 0.5
Ygap 10.0 , Ygapext 0.5
Fgap 6.0 , Fgapext 7.0
Delop 6.0 , Delect 7.0

Searched: 6 seqs, 120 residues

Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 6 summaries

Command line parameters:
-MODU=frame_Plus_P2P.model -DEV=soft -Q=uS-09-270-437d-5 -DB=*.geneseqP*
-SUFFIXx=pro -OUT=align5 -MINMATCH=0.1 -LOOPCL=0 -LISTS=5its
-START=1 -END=1 -MATRIX=blosum62 -TRANS=human40_cdi -LIST=6 -DOCALIGN=200
-THR SCORE_PCT=100 -THR MIN=0 -THR MAX=100 -THR MINC=6 -ALIGN=6 -MODE=LOCAL -OUTFORMAT=pto
-NORIEXT -HEAITSIZE=5000 MINLEN=0 -MAXLEN=1000000000 -NCPU=6 -NO_XLPHY
-NEG SCORES=10 -XGAPOP=1.0 -XGAPEXT=0.5 -FGAPOF=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : * geneseqP : *
1: /home/sdavid/sdavid-tmp/aug04/canella437/abb75042.geneseqP2002s : *
2: /home/sdavid/sdavid-tmp/aug04/canella437/abb75041.geneseqP2002s : *
3: /home/sdavid/sdavid-tmp/aug04/canella437/abb61961.geneseqP2002s : *
4: /home/sdavid/sdavid-tmp/aug04/canella437/abb61942.geneseqP2002s : *
5: /home/sdavid/sdavid-tmp/aug04/canella437/ada28504.geneseqP2003bs : *
6: /home/sdavid/sdavid-tmp/aug04/canella437/ada28505.geneseqP2003bs : *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	101	3.2	20	1	ABB75042	Human lung tumour
2	101	3.2	20	4	ABB61962	Human lung cancer
3	101	3.2	20	6	ADA28505	Human lung tumour
4	96	3.1	20	2	ABB75041	Human lung tumour
5	96	3.1	20	3	ABB61961	Human lung cancer
6	96	3.1	20	5	ADA28504	Human lung tumour

ALIGNMENTS

Result 2 ID	ABP61962	standard, peptide, 20 AA.
XX	ABP61962	
AC	ABP61962;	
XX	ABP61962;	

RESULT 1

Result 1 ID	ABB75042	standard, peptide, 20 AA.
XX	ABB75042	
AC	ABB75042;	

RESULT 2

Result 2 ID	ABP61962	standard, peptide, 20 AA.
XX	ABP61962	
AC	ABP61962;	
XX	ABP61962;	

Human lung cancer associated peptide sequence SEQ ID NO:415.

XX	Human; lung cancer; lung tumour; cytostatic; gene therapy; vaccine.	OS	Homo sapiens.
OS		XX	
XX		PN	US2003064947-A1.
XX		XX	
XX	WO200247534-A2.	PD	03-APR-2003.
XX	20-JUN-2002.	XX	XX
XX	30-NOV-2001; 2001WO-US047576.	XX	30-NOV-2001; 2001US-00007700.
XX		XX	XX
XX	12-DEC-2000; 2000US-00735705.	PF	18-MAR-1998; 98US-00040802.
XX	07-MAY-2001; 2001US-00850716.	PF	27-JUL-1998; 98US-00123112.
XX	28-JUN-2001; 2001US-00897778.	PR	22-DEC-1998; 98US-00221107.
XX		PR	02-APR-1999; 99US-00285479.
XX		PR	17-DEC-1999; 99US-00466316.
XX		PR	30-DEC-1999; 99US-00476196.
XX		PR	10-JAN-2000; 2000US-00480884.
XX		PR	22-FEB-2000; 2000US-00510376.
XX		PR	04-APR-2000; 2000US-00542515.
XX		PR	28-JUN-2000; 2000US-00606121.
XX		PR	02-AUG-2000; 2000US-00630940.
XX		PR	21-AUG-2000; 2000US-00643597.
XX		PR	15-SEP-2000; 2000US-00662786.
XX		PR	09-OCT-2000; 2000US-00685596.
XX		PR	12-DEC-2000; 2000US-00735705.
XX		PR	07-MAY-2001; 2001US-00850716.
XX		PR	28-JUN-2001; 2001US-00897778.
XX		XX	
XX		PA	(CORI-) CORIXA CORP.
XX		PA	Wang T, Wang A, Skeiky YAW, Li SX, Kalos MD, Henderson RA, McNeill PD, Fanger N, Retter MW, Duriam M, Fanger GR, Vedvick TS, Carter D, Watanabe Y, Peckham DW, Cai F, Foy TM;
XX		PA	WPI; 2002-583465/62.
XX		PA	Novel lung carcinoma polynucleotide sequences and polypeptides encoded by the polynucleotides, useful in pharmaceutical compositions such as vaccines and as markers to indicate the presence of lung cancer.
XX		PA	Claim 9; Page 358; 3Bipp; English.
XX		PA	The present invention describes isolated human lung carcinoma polynucleotides (I) and polypeptides (II). (I) and (II) have cytostatic activity, and can be used in gene therapy and in vaccines. Compositions comprising (I) or (II) can be used for stimulating an immune response in a patient and for treating lung cancer in a patient. Oligonucleotides of (I) can be used for detecting the presence of a cancer in a patient, by obtaining a biological sample from the patient, contacting the biological sample with the oligonucleotide, detecting in the sample, an amount of polynucleotide that hybridises to the oligonucleotide and comparing the amount of polynucleotide that hybridises to the oligonucleotide to a predetermined cut-off value, and determining the presence of a cancer in the patient. (I) and (II) are useful in pharmaceutical compositions of a cancer such as lung cancer. ABQ92145 to ABQ9216 and AB61866 to AB6192 represent sequences used in the exemplification of the present invention
XX		PA	Sequence 20 AA;
XX		PA	Alignment Scores:
XX		PA	Scored. No.: 1.61
XX		PA	Score: 101.00
XX		PA	Percent Similarity: 100.00%
XX		PA	Best Local Similarity: 100.00%
XX		PA	Indels: 0
XX		PA	Gaps: 0
XX		PA	DB:
XX		PA	us-09-270-437d-5 (1-1708) x ADA28505 (1-20)
XX		PA	Alignment Scores:
XX		PA	Pred. No.: 1.61
XX		PA	Score: 101.00
XX		PA	Percent Similarity: 100.00%
XX		PA	Best Local Similarity: 100.00%
XX		PA	Query Match: 3.25%
XX		PA	DB:
XX		PA	us-09-270-437d-5 (1-1708) x ADA28505 (1-20)
XX		PA	Qy 293 AACATCACAAACAGACCACTCCAGATGACCTGCAATGGAGGAAACCCAGGTGCA 352
XX		PA	Db 1 AsnIleThrLysGlnThrGlnSerLysLeapvalHsArgLysGluAsnIleGlyAla 20
XX		PA	RESULT 3
XX		PA	ID ADA28505 standard; peptide; 20 AA.
XX		PA	ADA28505 (first entry)
XX		PA	Human lung tumour associated protein LS22S peptide #20.
XX		PA	Cancer; lung cancer; carcinoma; gene therapy; vaccine; human;
XX		PA	Tumour; squamous cell carcinoma; gene therapy; vaccine; human;
XX		PA	RESULT 4
XX		PA	ID AB75041 standard; peptide; 20 AA
XX		PA	DB:
XX		PA	Qy 1 AsnIleThrLysGlnThrGlnSerLysLeapvalHsArgLysGluAsnIleGlyAla 20

XX ABB75041; DE Human lung cancer associated peptide sequence SEQ ID NO:414.
 XX KW Human; lung cancer; lung tumour; cytostatic; gene therapy; vaccine.
 XX OS Homo sapiens.
 XX EN WO200247534-A2.
 XX PD 20-JUN-2002.
 XX PF 30-NOV-2001; 2001WO-US047576.
 XX PR 12-DEC-2000; 2000US-00735705.
 XX PR 07-MAY-2001; 2001US-00850716.
 XX PR 28-JUN-2001; 2001US-0089778.
 XX PA (CORI-) CORIXA CORP.
 XX PR Wang T, Wang A, Skeiky Yaw, Li SX, Kalos MD, Henderson RA; PI Mcneill PD, Fanger N, Rettter MW, Durham M, Fanger GR, Vedvick TS, Carter D, Watanabe Y, Peckham DW, Cai F, Foy TM; PI DR WPI; 2002-583465/62.
 XX PT Novel lung carcinoma polynucleotide sequences and polypeptides encoded by PT the polynucleotides, useful in pharmaceutical compositions such as PT vaccines and as markers to indicate the presence of lung cancer.
 XX PS Claim 9; Page 358; 381pp; English.
 XX CC The present invention describes isolated human lung carcinoma CC polynucleotides (I) and polypeptides (II). (I) and (II) have cytostatic CC activity, and can be used in gene therapy and in vaccines. Compositions CC comprising (I) or (II) can be used for stimulating an immune response in CC a patient and for treating lung cancer in a patient. Oligonucleotides of CC (I) can be used for detecting the presence of a cancer in a patient, by CC obtaining a biological sample from the patient, contacting the biological CC sample with the oligonucleotide, detecting in the sample, an amount of CC polynucleotide that hybridises to the oligonucleotide and comparing the CC amount of polynucleotide that hybridises to the oligonucleotide to a CC predetermined cut-off value, and determining the presence of a cancer in CC the patient. (I) and (II) are useful to indicate the presence or absence CC of a cancer such as lung cancer. ABP92145 to ABP92486 and ABP61866 to CC ABP61992 represent sequences used in the exemplification of the present CC invention.
 XX SQ Sequence 20 AA;
 XX Alignment Scores:
 XX Pred. No.: 1.87 Length: 20
 XX Score: 96.00 Matches: 20
 XX Percent Similarity: 100.00% Conservative: 0
 XX Best Local Similarity: 100.00% Mismatches: 0
 XX Query Match: 3.09% Indels: 0
 XX DB: 2 Gaps: 0
 XX us-09-270-437d-5 (1-1708) x ABP61961 (1-20)
 XX Qy 263 ATTATGGCAAGGGGGCCCATCGCAACATCACAAACAGACCCAGTCGAAGATA 322
 XX Db 1 IleIleGlyLysGluGlyAlaThrIleArgAsnIleThrIysGlnThrGlnSerIysIle 20
 RESULT 5
 ID ABP61961 standard; peptide; 20 AA.
 XX AC ADA28504;
 XX DT 20-NOV-2003 (first entry)
 XX DE Human lung tumour associated protein L523S peptide #19.
 XX XX

KW cancer; lung cancer; gene therapy; vaccine; human;
KW lung squamous cell carcinoma.

OS Homo sapiens.

XX US2003064947-A1.

XX 03-APR-2003.

XX 30-NOV-2001; 2001US-00007700.

XX 18-MAR-1998; 98US-00040802.

XX PR 27-JUL-1998; 98US-00123912.

XX PR 02-DEC-1998; 98US-00221107.

XX PR 02-APR-1999; 99US-00285479.

XX PR 17-DEC-1999; 99US-00465396.

XX PR 30-DEC-1999; 99US-0047496.

XX PR 10-JAN-2000; 2000US-00480884.

XX PR 22-FEB-2000; 2000US-00510376.

XX PR 04-APR-2000; 2000US-00542615.

XX PR 28-JUN-2000; 2000US-00606421.

XX PR 02-AUG-2000; 2000US-00630940.

XX PR 15-SEP-2000; 2000US-00643597.

XX PR 09-OCT-2000; 2000US-00662786.

XX PR 12-DEC-2000; 2000US-00685696.

XX PR 07-MAY-2001; 2001US-00731705.

XX PR 07-MAY-2001; 2001US-00850716.

XX PR 28-JUN-2001; 2001US-00897778.

XX PA (CORIXA CORP.

XX PI Wang T, Wang A, Skeiky YAW, Li SX, Kalos MD, Henderson RA;

XX PI Mcneill PD, Fanger N, Retter MW, Durham M, Fanger GR, Vedvick TS;

XX PI Carter D, Watanabe Y, Peckham DW, Cai F, Foy TM;

XX DR WPI; 2003-540738/51.

XX PT New isolated polynucleotides and polypeptides useful for diagnosing,

PT preventing and/or treating cancer, particularly lung cancer.

XX PS Claim 9; Page 270; 296pp; English.

XX The invention describes isolated polynucleotides and polypeptides useful for diagnosing, preventing and/or treating cancer, particularly lung cancer. A new isolated polynucleotide comprises: any of the 22 fully defined nucleotide sequences (e.g. 1012, 900 or 2773 bp) given in the specification; complements of the nucleotide sequences cited above; at least 10 contiguous residues to any of the nucleotide sequences under highly stringent conditions; a sequence that is at least 75 or 90% identical to the above nucleotide sequences; or degenerate variants of the above nucleotide sequences. The composition and methods are useful in diagnosing, preventing and/or treating cancer, particularly lung cancer, in gene therapy and in vaccines. This is the amino acid sequence of a human lung tumour associated protein L523S peptide.

XX Sequence 20 AA;

Alignment Scores:

Pred No.: 1.87

Score: 96.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 3.09%

DB: 5

Length: 20

Matches: 20

Conservative: 0

Mismatches: 0

Indels: 0

Gaps: 0

us-09-270-437d-5 (1-1708) x ADA26504 (1-20)

Qy 263 ATTATGGCAAGGAGGGGGCAACCATCGCAACATCAGAACCCAGTCAAAGATA 322

Db 1 IleIleGlyLysGluGlyAlaThrIleArgAsnIleThrLysGlnThrGlnSerLysIle 20

Search completed: August 17, 2004, 15:13:03
Job time : 1 secs